

ABSTRACT

A biodegradable filament of polyglycolic acid resin having practical properties represented by high tensile strength and knot strength is produced. A polyglycolic acid resin having a residual monomer content of below 0.5 wt.% is melt-spun, quenched in a liquid bath of at most 10 °C and then stretched in a liquid bath of 60 - 83 °C to produce a polyglycolic acid resin filament having a tensile strength of at least 750 MPa and a knot strength of at least 600 MPa.